

#2

OIPE

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/910,120

DATE: 07/30/2001
 TIME: 15:58:04

Input Set : A:\1751seq.001
 Output Set: N:\CRF3\07302001\I910120.raw

ENTERED

```

3 <110> APPLICANT: DANA AULT-RICHE
4      PAUL D. KASSNER
6 <120> TITLE OF INVENTION: COLLECTIONS OF BINDING PROTEINS AND TAGS
7      AND USES THEREOF FOR NESTED SORTING AND HIGH THROUGHPUT
8      SCREENING
10 <130> FILE REFERENCE: 25885-1751
C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/910,120
13 <141> CURRENT FILING DATE: 2001-07-18
15 <150> PRIOR APPLICATION NUMBER: 60/219,183
16 <151> PRIOR FILING DATE: 2000-07-19
18 <160> NUMBER OF SEQ ID NOS: 73
20 <170> SOFTWARE: FastSEQ for Windows Version 4.0
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 18
24 <212> TYPE: DNA
25 <213> ORGANISM: Artificial Sequence
27 <220> FEATURE:
28 <223> OTHER INFORMATION: Primer
30 <221> NAME/KEY: variation
31 <222> LOCATION: 5,6,11,14,17
32 <223> OTHER INFORMATION: N is any
34 <400> SEQUENCE: 1
35 gatcnngatc ntcngang
37 <210> SEQ ID NO: 2
38 <211> LENGTH: 18
39 <212> TYPE: DNA
40 <213> ORGANISM: Artificial Sequence
42 <220> FEATURE:
43 <223> OTHER INFORMATION: Primer
45 <221> NAME/KEY: variation
46 <222> LOCATION: 5,6,11,14,17
47 <223> OTHER INFORMATION: N is any
49 <400> SEQUENCE: 2
50 gatcnngatc ntcngang
52 <210> SEQ ID NO: 3
53 <211> LENGTH: 18
54 <212> TYPE: DNA
55 <213> ORGANISM: Artificial Sequence
57 <220> FEATURE:
58 <223> OTHER INFORMATION: Primer
60 <221> NAME/KEY: variation
61 <222> LOCATION: 5,6,11,14,17
62 <223> OTHER INFORMATION: N is any
64 <400> SEQUENCE: 3
65 gatcnngatc ntcngang
67 <210> SEQ ID NO: 4
68 <211> LENGTH: 74

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69 <212> TYPE: DNA
70 <213> ORGANISM: Artificial Sequence
72 <220> FEATURE:
73 <223> OTHER INFORMATION: Primer
75 <221> NAME/KEY: variation
76 <222> LOCATION: 66 /
77 <223> OTHER INFORMATION: N is G or T
79 <221> NAME/KEY: misc_feature
80 <222> LOCATION: 39-42
81 <223> OTHER INFORMATION: Shine-Dalgarno sequence (AGGA)
83 <400> SEQUENCE: 4
84 gaattctaat acgactcaat atagggttaa ctttaagaag gagatataca tatgtatggtc      60
Q--> 85 cagctnctcg agtc                                74
87 <210> SEQ ID NO: 5
88 <211> LENGTH: 53
89 <212> TYPE: DNA
90 <213> ORGANISM: Artificial Sequence
92 <220> FEATURE:
93 <223> OTHER INFORMATION: Primer
95 <221> NAME/KEY: variation
96 <222> LOCATION: 45 /
97 <223> OTHER INFORMATION: N is G or T
99 <221> NAME/KEY: misc_feature
100 <222> LOCATION: (1)...(17)
101 <223> OTHER INFORMATION: T7 RNA polymerase promotor
103 <221> NAME/KEY: misc_feature
104 <222> LOCATION: 34-36
105 <223> OTHER INFORMATION: Start codon
107 <400> SEQUENCE: 5
WV-> 108 taatacgaact cactataggg aagcttggcc accatggtcc agctnctcga gtc      53
110 <210> SEQ ID NO: 6
111 <211> LENGTH: 34
112 <212> TYPE: DNA
113 <213> ORGANISM: Artificial Sequence
115 <220> FEATURE:
116 <223> OTHER INFORMATION: Oligonucleotide: SfilNotIFor
118 <400> SEQUENCE: 6
119 catggcggcc cagccggcct aatgagcggc cgca      34
121 <210> SEQ ID NO: 7
122 <211> LENGTH: 34
123 <212> TYPE: DNA
124 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: Oligonucleotide: SfilNotIRev
129 <400> SEQUENCE: 7
130 agcttgccgc cgctcattag gccggctggg ccgc      34
132 <210> SEQ ID NO: 8
133 <211> LENGTH: 43
134 <212> TYPE: DNA

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Input Set : A:\1751seq.001
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135 <213> ORGANISM: Artificial Sequence
137 <220> FEATURE:
138 <223> OTHER INFORMATION: Oligonucleotide: HAFor
140 <400> SEQUENCE: 8
141 ctagaatatc cgtatgtatg gccggattat gcgaatagcg ccg 43
143 <210> SEQ ID NO: 9
144 <211> LENGTH: 43
145 <212> TYPE: DNA
146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: Oligonucleotide: HARev
151 <400> SEQUENCE: 9
152 tcgacggcgc tattcgcata atccggcaca tcatacgat aaa 43
154 <210> SEQ ID NO: 10
155 <211> LENGTH: 40
156 <212> TYPE: DNA
157 <213> ORGANISM: Artificial Sequence
159 <220> FEATURE:
160 <223> OTHER INFORMATION: Oligonucleotide: M2For
162 <400> SEQUENCE: 10
163 ctagaaggatt ataaagatga cgacgataaa aatagcgccg 40
165 <210> SEQ ID NO: 11
166 <211> LENGTH: 40
167 <212> TYPE: DNA
168 <213> ORGANISM: Artificial Sequence
170 <220> FEATURE:
171 <223> OTHER INFORMATION: Oligonucleotide: M2Rev
173 <400> SEQUENCE: 11
174 tcgacggcgc tatttttac gtcgtcatct ttataatcaa 40
176 <210> SEQ ID NO: 12
177 <211> LENGTH: 23
178 <212> TYPE: DNA
179 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Primer: HuVH1aBACK
184 <400> SEQUENCE: 12
185 cagggtgcagc tggtgcaagtc tgg 23
187 <210> SEQ ID NO: 13
188 <211> LENGTH: 23
189 <212> TYPE: DNA
190 <213> ORGANISM: Artificial Sequence
192 <220> FEATURE:
193 <223> OTHER INFORMATION: Primer: HuVH2aBACK
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196 cagctcaact taagggagtc tgg 23
198 <210> SEQ ID NO: 14
199 <211> LENGTH: 23
200 <212> TYPE: DNA
201 <213> ORGANISM: Artificial Sequence

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Input Set : A:\1751seq.001
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203 <220> FEATURE:
204 <223> OTHER INFORMATION: Primer:HuVH3aBACK
206 <400> SEQUENCE: 14
207 gaggtgcagc tggtagtc tgg 23
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210 <211> LENGTH: 23
211 <212> TYPE: DNA
212 <213> ORGANISM: Artificial Sequence
214 <220> FEATURE:
215 <223> OTHER INFORMATION: Primer:HuVH4aBACK
217 <400> SEQUENCE: 15
218 caggtgcagc tgcaggagtc ggg 23
220 <210> SEQ ID NO: 16
221 <211> LENGTH: 23
222 <212> TYPE: DNA
223 <213> ORGANISM: Artificial Sequence
225 <220> FEATURE:
226 <223> OTHER INFORMATION: Primer:HuVH5aBACK
228 <400> SEQUENCE: 16
229 gaggtgcagc tggtgcagtc tgc 23
231 <210> SEQ ID NO: 17
232 <211> LENGTH: 23
233 <212> TYPE: DNA
234 <213> ORGANISM: Artificial Sequence
236 <220> FEATURE:
237 <223> OTHER INFORMATION: Primer:HuVH6aBACK
239 <400> SEQUENCE: 17
240 caggtacagc tgcagcagtc agg 23
242 <210> SEQ ID NO: 18
243 <211> LENGTH: 24
244 <212> TYPE: DNA
245 <213> ORGANISM: Artificial Sequence
247 <220> FEATURE:
248 <223> OTHER INFORMATION: Primer:HuJH1-2FOR
250 <400> SEQUENCE: 18
251 tgaggagacg gtgaccagg tgcc 24
253 <210> SEQ ID NO: 19
254 <211> LENGTH: 24
255 <212> TYPE: DNA
256 <213> ORGANISM: Artificial Sequence
258 <220> FEATURE:
259 <223> OTHER INFORMATION: Primer: HuJH3FOR
261 <400> SEQUENCE: 19
262 tgaagagacg gtgaccattt tccc 24
264 <210> SEQ ID NO: 20
265 <211> LENGTH: 24
266 <212> TYPE: DNA
267 <213> ORGANISM: Artificial Sequence
269 <220> FEATURE:

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/910,120

DATE: 07/30/2001
TIME: 15:58:04

Input Set : A:\1751seq.001
Output Set: N:\CRF3\07302001\I910120.raw

270 <223> OTHER INFORMATION: Primer: HuJH4-5FOR
272 <400> SEQUENCE: 20
273 tgaggagacg gtgaccaggg ttcc 24
275 <210> SEQ ID NO: 21
276 <211> LENGTH: 24
277 <212> TYPE: DNA
278 <213> ORGANISM: Artificial Sequence
280 <220> FEATURE:
281 <223> OTHER INFORMATION: Primer: HuJH6FOR
283 <400> SEQUENCE: 21
284 tgaggagacg gtgaccgtgg tccc 24
286 <210> SEQ ID NO: 22
287 <211> LENGTH: 23
288 <212> TYPE: DNA
289 <213> ORGANISM: Artificial Sequence
291 <220> FEATURE:
292 <223> OTHER INFORMATION: Primer: HuV kappa BACK
294 <400> SEQUENCE: 22
295 gacatccaga tgaccaggc tcc 23
297 <210> SEQ ID NO: 23
298 <211> LENGTH: 23
299 <212> TYPE: DNA
300 <213> ORGANISM: Artificial Sequence
302 <220> FEATURE:
303 <223> OTHER INFORMATION: Primer: HuV kappa 2a BACK
305 <400> SEQUENCE: 23
306 gatgttgtga tgactcagtc tcc 23
308 <210> SEQ ID NO: 24
309 <211> LENGTH: 23
310 <212> TYPE: DNA
311 <213> ORGANISM: Artificial Sequence
313 <220> FEATURE:
314 <223> OTHER INFORMATION: Primer: HuV kappa 3a BACK
316 <400> SEQUENCE: 24
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319 <210> SEQ ID NO: 25
320 <211> LENGTH: 23
321 <212> TYPE: DNA
322 <213> ORGANISM: Artificial Sequence
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325 <223> OTHER INFORMATION: Primer: HuV kappa 4a BACK
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330 <210> SEQ ID NO: 26
331 <211> LENGTH: 23
332 <212> TYPE: DNA
333 <213> ORGANISM: Artificial Sequence
335 <220> FEATURE:
336 <223> OTHER INFORMATION: Primer: HuV kappa 5a BACK

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/910,120

DATE: 07/30/2001
TIME: 15:58:05

Input Set : A:\1751seq.001
Output Set: N:\CRF3\07302001\I910120.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application Number
L:35 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:50 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:65 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:85 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:108 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:729 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:62
L:762 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:65